

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	97	(martyn ADJ twigg) OR (twigg ADJ martyn)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/07/01 11:02
S2	5	"6149973"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/07/01 11:07
S3	6	"6228424"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/07/01 11:10
S4	3	"9947260"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/07/01 11:11
S5	7	"0112320"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/07/01 11:12
S7	1279	cataly\$4 (filter OR purif\$4) (silicon OR si OR silicon ADJ carbide OR SiC OR aluminum nitride OR aln OR silicon ADJ nitride OR si3n4 OR aluminum ADJ titanate OR alumina NEAR titania OR al2o3 NEAR ti02 OR alumina OR al2o3 OR cordierite OR mullite ADJ pollucite) (thermet OR al2o3 NEAR fe OR alumina NEAR (iron OR ferr\$4) OR al2o3 NEAR ni OR alumina NEAR nickel OR b4c NEAR fe OR boron ADJ carbide NEAR (iron OR ferr\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2008/10/24 12:50
S8	2	cataly\$4 (filter OR purif\$4) (silicon OR si OR silicon ADJ carbide OR SiC OR aluminum nitride OR aln OR silicon ADJ nitride OR si3n4 OR aluminum ADJ titanate OR alumina NEAR titania OR al2o3 NEAR ti02 OR alumina OR al2o3 OR cordierite OR mullite ADJ pollucite) thermet (al2o3 NEAR fe OR alumina NEAR (iron OR ferr\$4) OR al2o3 NEAR ni OR alumina NEAR	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2008/10/24 12:54

		nickel OR b4c NEAR fe OR boron ADJ carbide NEAR (iron OR ferr\$4))				
S9	5	"2004079167"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2008/10/24 13:00
S10	0	2007/0028604	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/04/30 15:25
S11	2	"20070028604"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/04/30 15:25
S12	0	("2007/0028604").URPN.	USPAT	AND	ON	2009/04/30 15:25
S13	0	catalyfilter	USPAT	AND	ON	2009/04/30 15:26
S14	11333	cataly\$4 filter (alumina OR al2o3 OR boron ADJ carbide OR b4c) (iron OR fe OR ni OR nickel)	USPAT	AND	ON	2009/04/30 15:27
S15	3502	cataly\$4 ceramic filter (alumina OR al2o3 OR boron ADJ carbide OR b4c) (iron OR fe OR ni OR nickel)	USPAT	AND	ON	2009/04/30 15:27
S16	2	cataly\$4 ceramic filter (alumina OR al2o3 OR boron ADJ carbide OR b4c) (iron OR fe OR ni OR nickel) thermet	USPAT	AND	ON	2009/04/30 15:27
S17	2	cataly\$4 filter (alumina OR al2o3 OR boron ADJ carbide OR b4c) (iron OR fe OR ni OR nickel) thermet	USPAT	AND	ON	2009/04/30 15:27
S18	21151	filter (ceramic OR alumina OR al2o3 OR boron ADJ carbide OR b4c) (reduc\$3 ADJ pressure OR vacuum OR impregnat\$3) (iron OR fe OR ni OR nickel)	USPAT	AND	ON	2009/12/03 11:29
S19	6132	filter (ceramic OR alumina OR al2o3 OR boron ADJ carbide OR b4c) (reduc\$3 ADJ pressure OR vacuum ADJ impregnat\$3) (iron OR fe OR ni OR nickel)	USPAT	AND	ON	2009/12/03 11:29

S20	11610	(method OR process) AND filter AND (ceramic OR alumina OR al2o3 OR boron ADJ carbide OR b4c) (reduc\$3 ADJ pressure OR vacuum ADJ impregnat\$3)	USPAT	AND	ON	2009/12/03 11:30
S21	6109	(method OR process) AND filter AND (ceramic OR alumina OR al2o3 OR boron ADJ carbide OR b4c) (reduc\$3 ADJ pressure OR vacuum ADJ impregnat\$3) (iron OR fe OR ni OR nickel)	USPAT	AND	ON	2009/12/03 11:31
S22	11610	(method OR process) AND filter AND (ceramic OR alumina OR al2o3 OR boron ADJ carbide OR b4c) (reduc\$3 ADJ pressure OR vacuum ADJ impregnat\$3)	USPAT	AND	ON	2009/12/03 11:31
S23	6109	(method OR process) AND filter AND (ceramic OR alumina OR al2o3 OR boron ADJ carbide OR b4c) AND (iron OR fe OR nickel OR ni) AND (reduc\$3 ADJ pressure OR vacuum ADJ impregnat\$3)	USPAT	AND	ON	2009/12/03 11:32
S24	55	(method OR process) AND filter AND (ceramic OR alumina OR al2o3 OR boron ADJ carbide OR b4c) AND (iron OR fe OR nickel OR ni) AND (vacuum ADJ impregnat\$3)	USPAT	AND	ON	2009/12/03 11:32
S25	605	(method OR process) AND filter AND (ceramic OR alumina OR al2o3 OR boron ADJ carbide OR b4c) AND (iron OR fe OR nickel OR ni) AND (reduc\$3 ADJ pressure OR vacuum ADJ impregnat\$3) AND calcin \$3	USPAT	AND	ON	2009/12/03 11:32
S26	538	(method OR process) AND filter AND (ceramic OR alumina OR al2o3 OR boron ADJ carbide OR b4c) AND (iron OR fe OR nickel OR ni) AND (reduc\$3 ADJ pressure OR vacuum ADJ impregnat\$3) AND calcin \$3 AND dry\$3	USPAT	AND	ON	2009/12/03 11:33

S27	22	(method OR process) AND filter AND (ceramic OR alumina OR al2o3 OR boron ADJ carbide OR b4c) AND (iron OR fe OR nickel OR ni) AND (vacuum ADJ impregnat\$3) AND calcin \$3 AND dry\$3	USPAT	AND	ON	2009/12/03 11:33
S28	2	(method OR process) AND wall ADJ flow ADJ filter AND (ceramic OR alumina OR al2o3 OR boron ADJ carbide OR b4c) AND (iron OR fe OR nickel OR ni) AND (reduc\$3 ADJ pressure OR vacuum ADJ impregnat\$3) AND calcin \$3 AND dry\$3	USPAT	AND	ON	2009/12/03 11:34
S29	24	("20050239640"   "20060016371"   "20070234693"   "3885977"   "4015048"   "4063955"   "4189327"   "4191583"   "4219344"   "4225354"   "4235617"   "4235855"   "4435512"   "4476236"   "4745092"   "4810681"   "5030592"   "5532194"   "5549725"   "5552349"   "5607885"   "6004501"   "6300263"   "6864198").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/12/03 11:57
S30	22	(method OR process) AND filter AND (ceramic OR alumina OR al2o3 OR boron ADJ carbide OR b4c) AND (iron OR fe OR nickel OR ni) AND (vacuum ADJ impregnat\$3) AND calcin \$3	USPAT	AND	ON	2009/12/03 11:59
S31	19	(method OR process) AND filter AND (ceramic OR alumina OR al2o3 OR boron ADJ carbide OR b4c) AND (iron OR fe OR nickel OR ni) AND (vacuum ADJ impregnat\$3) AND calcin \$3 AND catalyst	USPAT	AND	ON	2009/12/03 12:03

S32	0	(method OR process) AND filter AND (ceramic OR alumina OR al2o3 OR boron ADJ carbide OR b4c) AND (iron OR fe OR nickel OR ni) AND (vacuum ADJ impregnat\$3) NEAR cataly \$3 AND calcin\$3	USPAT	AND	ON	2009/12/03 12:04
S33	19	(method OR process) AND filter AND (ceramic OR alumina OR al2o3 OR boron ADJ carbide OR b4c) AND (iron OR fe OR nickel OR ni) AND (vacuum ADJ impregnat\$3) AND cataly \$3 AND calcin\$3	USPAT	AND	ON	2009/12/03 12:05
S34	2	(method OR process) AND filter AND (ceramic OR alumina OR al2o3 OR boron ADJ carbide OR b4c) AND (vacuum ADJ impregnat\$3) NEAR cataly \$3 AND calcin\$3	USPAT	AND	ON	2009/12/03 12:05
S35	19	(method OR process) AND filter AND (ceramic OR alumina OR al2o3 OR boron ADJ carbide OR b4c) AND (iron OR fe OR nickel OR ni) AND (vacuum ADJ impregnat\$3) AND cataly \$3 AND calcin\$3	USPAT	AND	ON	2009/12/03 12:25
S36	140	(method OR process) AND (ceramic OR alumina OR al2o3 OR boron ADJ carbide OR b4c) AND (iron OR fe OR nickel OR ni) AND (vacuum ADJ impregnat\$3) AND cataly \$3 AND calcin\$3	USPAT	AND	ON	2009/12/03 12:32
S37	0	(method OR process) NEAR (making nor producing) AND (ceramic OR alumina OR al2o3 OR boron ADJ carbide OR b4c) AND (iron OR fe OR nickel OR ni) AND (vacuum ADJ impregnat\$3) AND cataly \$3 AND calcin\$3	USPAT	AND	ON	2009/12/03 12:33

S38	53	(method OR process) NEAR (making OR producing) AND (ceramic OR alumina OR al2o3 OR boron ADJ carbide OR b4c) AND (iron OR fe OR nickel OR ni) AND (vacuum ADJ impregnat\$3) AND cataly \$3 AND calcin\$3	USPAT	AND	ON	2009/12/03 12:33
S39	0	(method OR process) NEAR (making OR producing) NEAR filter AND (ceramic OR alumina OR al2o3 OR boron ADJ carbide OR b4c) AND (iron OR fe OR nickel OR ni) AND (vacuum ADJ impregnat\$3) AND cataly \$3 AND calcin\$3	USPAT	AND	ON	2009/12/03 12:42
S40	10	(method OR process) NEAR (making OR producing) AND filter AND (ceramic OR alumina OR al2o3 OR boron ADJ carbide OR b4c) AND (iron OR fe OR nickel OR ni) AND (vacuum ADJ impregnat\$3) AND cataly \$3 AND calcin\$3	USPAT	AND	ON	2009/12/03 12:42
S41	7	("4290838"   "4666551"   "4882435"   "4882455"   "5116663"   "5144536"   "5314740").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/12/03 12:43
S42	0	(method OR process) NEAR (making OR producing) NEAR filter AND (ceramic OR alumina OR al2o3 OR boron ADJ carbide OR b4c) AND (vacuum ADJ impregnat \$3) AND cataly\$3 AND calcin\$3	USPAT	AND	ON	2009/12/03 12:44
S43	0	(method OR process) NEAR filter AND (ceramic OR alumina OR al2o3 OR boron ADJ carbide OR b4c) AND (vacuum ADJ impregnat\$3) AND cataly \$3 AND calcin\$3	USPAT	AND	ON	2009/12/03 12:47

S44	27	(method OR process) AND filter AND (ceramic OR alumina OR al2o3 OR boron ADJ carbide OR b4c) AND (vacuum ADJ impregnat\$3) AND cataly \$3 AND calcin\$3	USPAT	AND	ON	2009/12/03 12:47
S45	10	"5182140"	USPAT	AND	ON	2009/12/03 12:49
S46	12	"5165970"	USPAT	AND	ON	2009/12/03 12:50
S47	30	"4208454"	USPAT	AND	ON	2009/12/03 12:51
S48	2	ep "0157651"	USPAT	AND	ON	2009/12/03 13:33
S49	4	ep "157651"	USPAT	AND	ON	2009/12/03 13:33
S50	0	ep0157651	USPAT	AND	ON	2009/12/03 13:34
S51	0	ep157651	USPAT	AND	ON	2009/12/03 13:34
S52	0	ep engelhard shimrock taylor	USPAT	AND	ON	2009/12/03 13:35
S53	1	engelhard shimrock taylor	USPAT	AND	ON	2009/12/03 13:35
S54	0	(al2o3 ADJ Fe OR al2o3 ADJ ni OR B4C ADJ Fe) thermet	USPAT	AND	ON	2009/12/03 16:33
S55	0	(al2o3 ADJ Fe OR al2o3 ADJ ni OR B4C ADJ Fe OR alumina ADJ iron OR alumina ADJ nickel) thermet	USPAT	AND	ON	2009/12/03 16:33
S56	1461	(al2o3 ADJ Fe OR al2o3 ADJ ni OR B4C ADJ Fe OR alumina ADJ iron OR alumina ADJ nickel)	USPAT	AND	ON	2009/12/03 16:34
S57	51	(al2o3 ADJ Fe OR al2o3 ADJ ni OR B4C ADJ Fe OR alumina ADJ iron OR alumina ADJ nickel) cermet	USPAT	AND	ON	2009/12/03 16:34
S58	1	(al2o3 ADJ Fe OR al2o3 ADJ ni OR B4C ADJ Fe OR alumina ADJ iron OR alumina ADJ nickel) cermet exhaust	USPAT	AND	ON	2009/12/03 16:34
S59	253	cpu feedback ADJ loop maintain vacuum filter manufacturing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 11:48

S60	0	cpu feedback ADJ loop maintain vacuum filter ADJ manufacturing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 11:49
S61	7	cpu feedback ADJ loop maintain vacuum filter NEAR manufactur\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 11:49
S62	571	cpu feedback ADJ loop maintain vacuum (method OR process) manufactur\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 11:49
S63	124	cpu feedback ADJ loop maintain vacuum (method OR process) ceramic filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 11:50
S64	106	cpu feedback ADJ loop maintain vacuum (method OR process) ceramic filter making	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 11:51
S65	8	cpu feedback ADJ loop maintain vacuum (method OR process) NEAR making ceramic filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 11:51
S66	0	cpu feedback ADJ loop NEAR maintain\$3 NEAR vacuum (method OR process)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 11:52
S67	0	cpu feedback ADJ loop NEAR vacuum (method OR process)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 11:52
S68	2194	cpu feedback ADJ loop (vacuum OR pressure) (method OR process)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 11:52
S69	15	cpu feedback ADJ loop NEAR (vacuum OR pressure) (method OR process)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 11:52
S70	0	cpu feedback ADJ loop (vacuum OR pressure) (method OR process) vacuum ADJ impregnation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 11:54
S71	0	cpu feedback ADJ loop (vacuum OR pressure) vacuum ADJ impregnation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 11:54
S72	1	feedback ADJ loop (vacuum OR pressure) vacuum ADJ impregnation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 11:54



S73	1	(feedback OR feed ADJ back) ADJ loop (vacuum OR pressure) vacuum ADJ impregnation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 11:56
S74	1	(feedback OR feed ADJ back) ADJ loop vacuum ADJ impregnation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 11:58
S75	10	(feedback OR feed ADJ back) ADJ loop vacuum ADJ impregnat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 11:59
S76	42	(feedback OR feed ADJ back) vacuum ADJ impregnat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 11:59
S77	6	(feedback OR feed ADJ back) vacuum ADJ impregnat\$3 cpu	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 11:59
S78	5077	(feedback OR feed ADJ back) vacuum cpu	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 12:00
S79	25025	(feedback OR feed ADJ back) vacuum (cpu OR computer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 12:02
S80	34	(feedback OR feed ADJ back) vacuum ADJ impregnat\$3 (cpu OR computer OR control)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 12:02
S81	6	"7021027"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 12:04
S82	34	(feedback OR feed ADJ back) vacuum ADJ impregnat\$3 (cpu OR computer OR control OR intelligent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 12:05
S83	0	WO 2005/012725	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 12:07
S84	0	WO 2005/012725	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 12:07

S85	3	WO "2005012725"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 12:07
S86	35145	pressure ADJ indicating ADJ controller OR pic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 12:52
S87	8651	(pressure ADJ indicating ADJ controller OR pic) (cpu OR computer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 12:53
S88	278	(pressure ADJ indicating ADJ controller OR pic) (cpu OR computer) feedback ADJ loop	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 12:53
S89	1	(pressure ADJ indicating ADJ controller) (cpu OR computer) feedback ADJ loop	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 12:58
S90	4	"2592043"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 13:07
S91	2	"6695278"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 13:46
S92	6755	vacuum pump feedback loop valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 13:57
S93	5200	vacuum ADJ pump feedback valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 13:58
S94	958	vacuum ADJ pump feedback valve CPU	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 13:58
S95	843	vacuum ADJ pump feedback valve CPU sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 13:58
S96	778	WALL adj FLOW adj FILTER	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/07/21 13:06
S97	728	wall ADJ flow ADJ filter (method OR process)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/07/21 13:06

S98	587	wall ADJ flow ADJ filter (method OR process) catalys\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/07/21 13:07
S99	469	wall ADJ flow ADJ filter (method OR process) catalys\$2 pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/07/21 13:07
S100	488	wall ADJ flow ADJ filter (method OR process) catalys\$2 (pressure OR vacuum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/07/21 13:08
S102	161	wall ADJ flow ADJ filter (method OR process) NEAR (making OR manufacturing) catalys\$2 (pressure OR vacuum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/07/21 13:12
S103	95	wall ADJ flow ADJ filter (method OR process) NEAR (making OR manufacturing) catalys\$2 (pressure OR vacuum) monolithic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/07/21 16:06

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